Lumination™ LED Luminaires

TS Series Track Lights

Project name _____

Date _____

Type _____

Product Description:

Lumination™ TS Series LED Track Lights are designed to deliver superior aesthetics, efficiency, and performance for retail accent lighting applications. These fixtures have a long rated life and deliver 90 lumens per watt (LPW) typical, allowing for lower maintenance and operating costs. Standard "Visual Comfort" lens minimizes glare while delivering up to 16,000 CBCP for high intensity accent lighting. Die-cast precision machined housings provide a unique and distinct aesthetic, while serving as an outstanding heat sink to regulate the LED temperatures for long life and minimal color shift.

Targeted Performance Summary:

- All performance claims are at 80 CRI, 3000K

Flood Version:

- 1750 lumen – 19.5 W
- 1300 lumen – 15 W
- 890 lumen – 10.3 W
- Flood and Wide Flood beam options

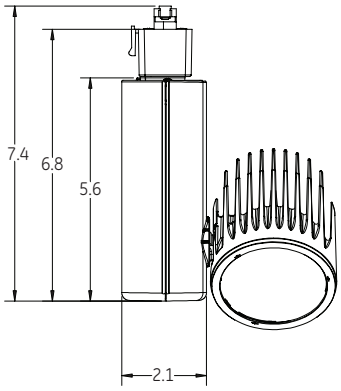
Spot Version:

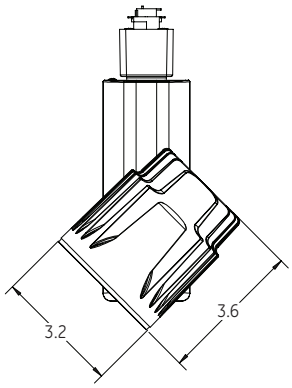
- 1150 lumen – 20.6 W
- 13° beam
- 16,000 CBCP

Efficacy: 90 LPW Typical (flood version), 56 LPW Typical (spot version)
Input Voltage: 120V
CCT: 2700K/3000K/3500K
Typical CRI: 80 and 90 CRI options
Standard Dimming Controls: Non-dimming
Lifetime Rating: L70 @ 50,000 hours
Limited Warranty: 5 Years

Certified by: c UL us LISTED

Product Dimensions:





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ENERGY STAR

Ordering Information:

TS1 ___ __ __ ___ _ __ 1V __ __

TRACK HEAD	LUMEN PACKAGE	BEAM	CCT/CRI	HOUSING COLOR	TRACK ADAPTER	VOLTAGE	ACCESSORY
TS1 = Lumination TS Series LED Track Light	**L1** = 10.3 W-890 lm **L2** = 15 W-1300 lm **L3** = 19.5 W-1750 lm	**FL** = Flood **WF** = Wide Flood	**827** = 80 CRI, 2700K **830** = 80 CRI, 3000K **835** = 80 CRI, 3500K **927** = 90 CRI, 2700K **930** = 90 CRI, 3000K	**W** = White **B** = Black	**G1** = Global, One Circuit (Compatible with Halo Track) **J1** = Juno, One Circuit (Compatible with Contech Track)	**1V** = 120V	**(blank)** = none **HX** = Hexcel Louver **SN** = Snoot
	S1 = 20.6 W-1150 lm	**SP**[1] = Spot					

Ordering Notes:

1. SP (Spot) option is only available with S1 lumen package

imagination at work

Lumination™ LED Luminaires

Lumen output varies based on CCT and CRI.
To estimate lumen output of the various CCT/CRI combinations, multiply 3000K, 80 CRI results by the following factors:

	10.3W Flood		15W Flood		19.5W Flood		20.6W Spot	
CCT	80CRI	90CRI	80CRI	90CRI	80CRI	90CRI	80CRI	90CRI
2700K	0.944	0.719	0.946	0.723	0.914	0.686	0.913	0.687
3000K	1.0	0.775	1.0	0.785	1.0	0.743	1.0	0.748
3500K	0.989	N/A	1.0	N/A	0.943	N/A	1.043	N/A

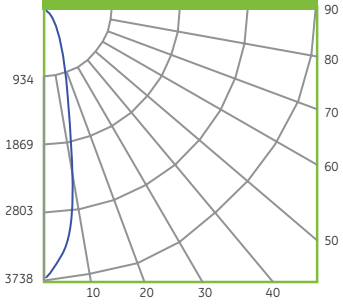
Photometric Data: TS Series Track Lights

10.3 Watt - 890 Lumen
Flood Distribution - 21° Beam

CANDLEPOWER SUMMARY	
Angle	Candela
0	3737
5	3133
15	943
25	382
35	200
45	33
55	10

CONE OF LIGHT		
Height	fc	Dia. (ft.)
6'	104	2.2
8'	58	3.0
10'	37	3.7
12'	26	4.4
14'	19	5.2
16'	15	5.9

POLAR CHART

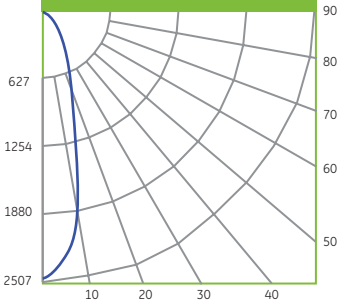


10.3 Watt - 890 Lumen
Wide Flood Distribution - 29° Beam

CANDLEPOWER SUMMARY	
Angle	Candela
0	2469
5	2366
15	1187
25	476
35	201
45	25
55	7

CONE OF LIGHT		
Height	fc	Dia. (ft.)
6'	69	3.0
8'	39	4.1
10'	25	5.1
12'	17	6.1
14'	13	7.1
16'	10	8.1

POLAR CHART

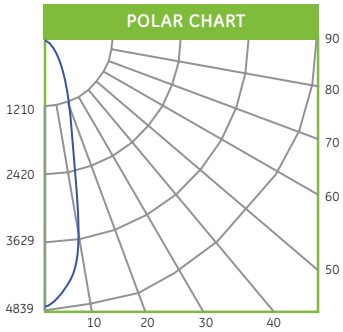


15 Watt - 1300 Lumen
Flood Distribution - 23° Beam

CANDLEPOWER SUMMARY	
Angle	Candela
0	4839
5	4244
15	1422
25	592
35	299
45	53
55	15

CONE OF LIGHT		
Height	fc	Dia. (ft.)
6'	134	2.4
8'	76	3.2
10'	48	4.0
12'	34	4.8
14'	25	5.6
16'	19	6.5

POLAR CHART

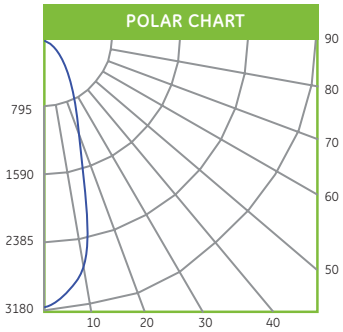


15 Watt - 1300 Lumen
Wide Flood Distribution - 32° Beam

CANDLEPOWER SUMMARY	
Angle	Candela
0	3177
5	3038
15	1869
25	707
35	285
45	38
55	11

CONE OF LIGHT		
Height	fc	Dia. (ft.)
6'	88	3.5
8'	50	4.6
10'	32	5.8
12'	22	6.9
14'	16	8.1
16'	12	9.2

POLAR CHART



Lumination™ LED Luminaires

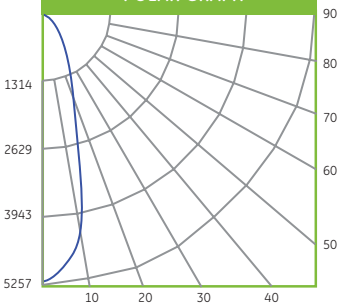
Photometric Data: TS Series Track Lights

19.5 Watt - 1750 Lumen
Flood Distribution - 26° Beam

CANDLEPOWER SUMMARY	
Angle	Candela
0	5229
5	5089
15	2317
25	882
35	427
45	79
55	20

CONE OF LIGHT		
Height	fc	Dia. (ft.)
6'	145	2.8
8'	82	3.7
10'	52	4.6
12'	36	5.5
14'	27	6.5
16'	20	7.4

POLAR GRAPH

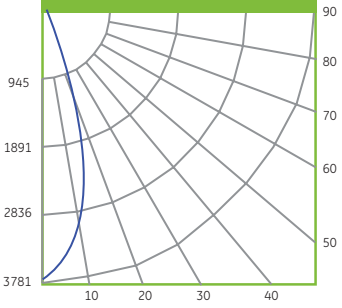


19.5 Watt - 1750 Lumen
Wide Flood Distribution - 35° Beam

CANDLEPOWER SUMMARY	
Angle	Candela
0	3709
5	3620
15	2542
25	1082
35	408
45	67
55	15

CONE OF LIGHT		
Height	fc	Dia. (ft.)
6'	103	3.8
8'	58	5.0
10'	37	6.3
12'	26	7.6
14'	19	8.8
16'	14	10.1

POLAR GRAPH

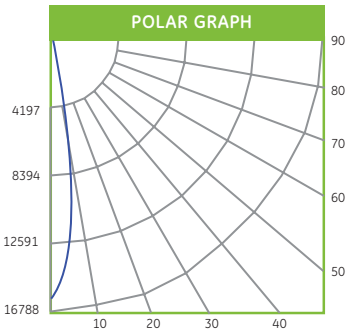


20.6 Watt - 1150 Lumen
Spot Distribution - 13° Beam

CANDLEPOWER SUMMARY	
Angle	Candela
0	16787
5	11532
15	524
25	93
35	63
45	43
55	29

CONE OF LIGHT		
Height	fc	Dia. (ft.)
6'	466	1.3
8'	262	1.8
10'	168	2.2
12'	117	2.7
14'	86	3.1
16'	66	3.6

POLAR GRAPH



Product Specifications:

Construction:

- Die-cast and precision machined head
- 2-piece die-cast and precision machined driver compartment
- Textured powder coat finish
- Nylon lock washer firmly sets aiming angle

Installation:

- Track adapters easily twist into track systems for quick installation
- Compatible with several brands of track systems
- Several track system mounting and suspension options

Optical System:

- Visual Comfort lens reduces glare and eliminates pixilation
- Precision designed reflectors and diffusers for optimal efficiency
- Custom designed spot optical system optimizes CBCP

Electrical System:

- Integrated, high-efficiency LED driver
- Power factor > 0.9

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